

## Humanizing Healthcare Through Harm Reduction

Addiction Medicine Day 2023 Maggie Shang, MD



### **Funding & Disclosures**

#### **Disclosures:**

None

#### Funding:

- TREETOP Branch Pilot
- Magee CARES Award

#### **Acknowledgements:**

Our patients & other individuals who have shared and taught us through their experiences

Harm reduction activists who have paved the way for our work today

**Prevention Point Pittsburgh** 



## **Learning Objectives**

By completion of this session, participants should be able to:



Define and summarize the principles of harm reduction



Discuss the importance and impact of harm reduction practices at patient and populationlevel outcomes



Describe safer use best practices for different routes of administration



Explain practical implementation strategies in integrating harm reduction in the clinical setting

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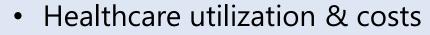


# **Content Outline**

Framing the Issue **Defining Harm Reduction** The Movement The Evidence Safer Use Best Practices Shifting the Paradigm Next Steps

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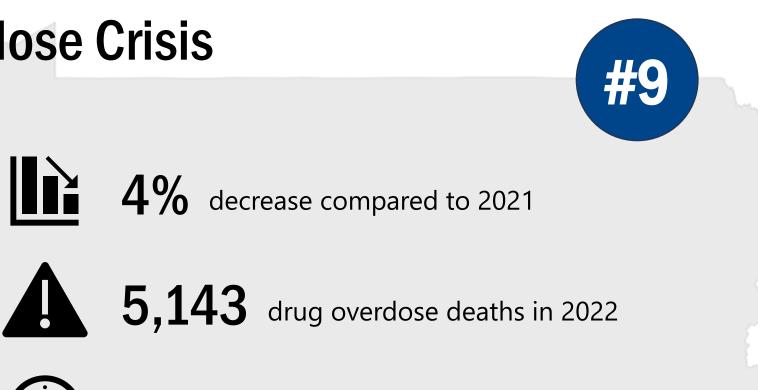
#### **The Public Health Crisis**



- Hepatitis C cases (majority due to IV drug use)
- HIV outbreaks
- Infective endocarditis
- Skin and soft tissue infections
- Overdose deaths



### The Overdose Crisis





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One Pennsylvanian died every **2 hours** 

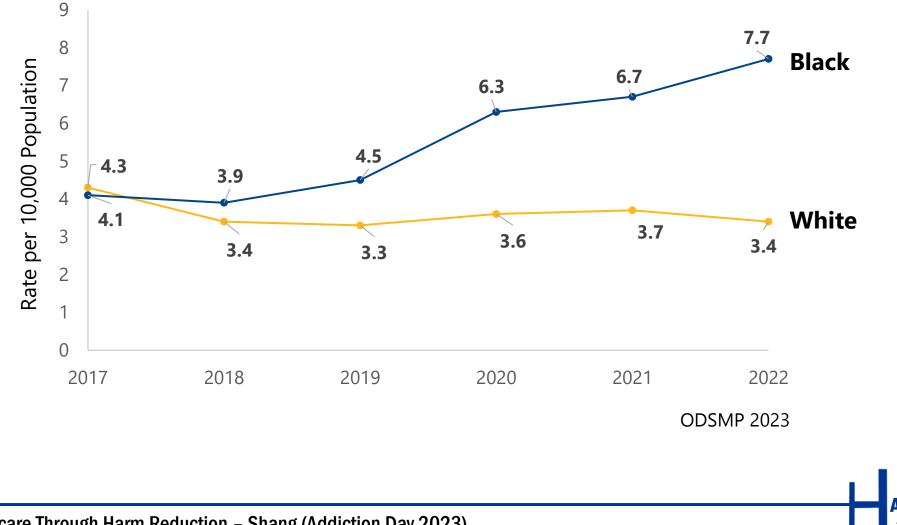


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**ODSMP 2023** 

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#### **The Overdose Crisis**



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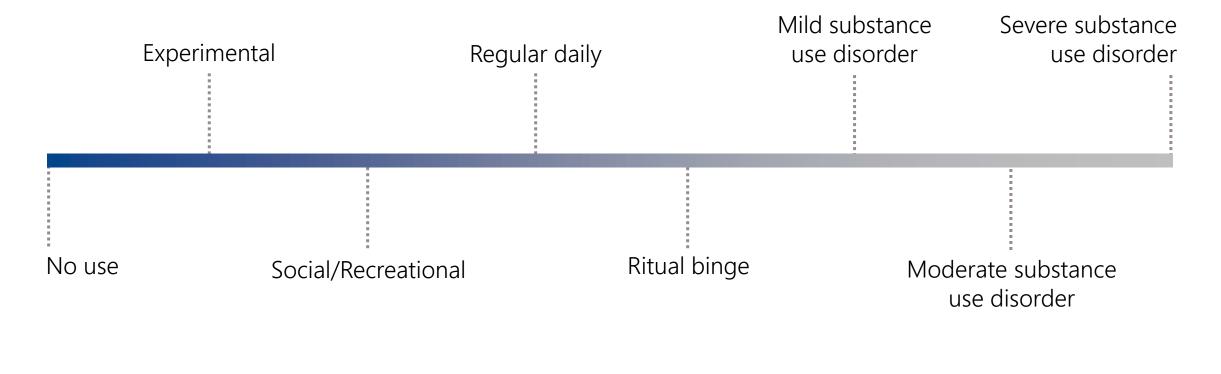
## What is Harm Reduction?







#### The Substance Use & Harm Reduction Continuum



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#### **Harm Reduction Principles**



#### National Harm Reduction Coalition

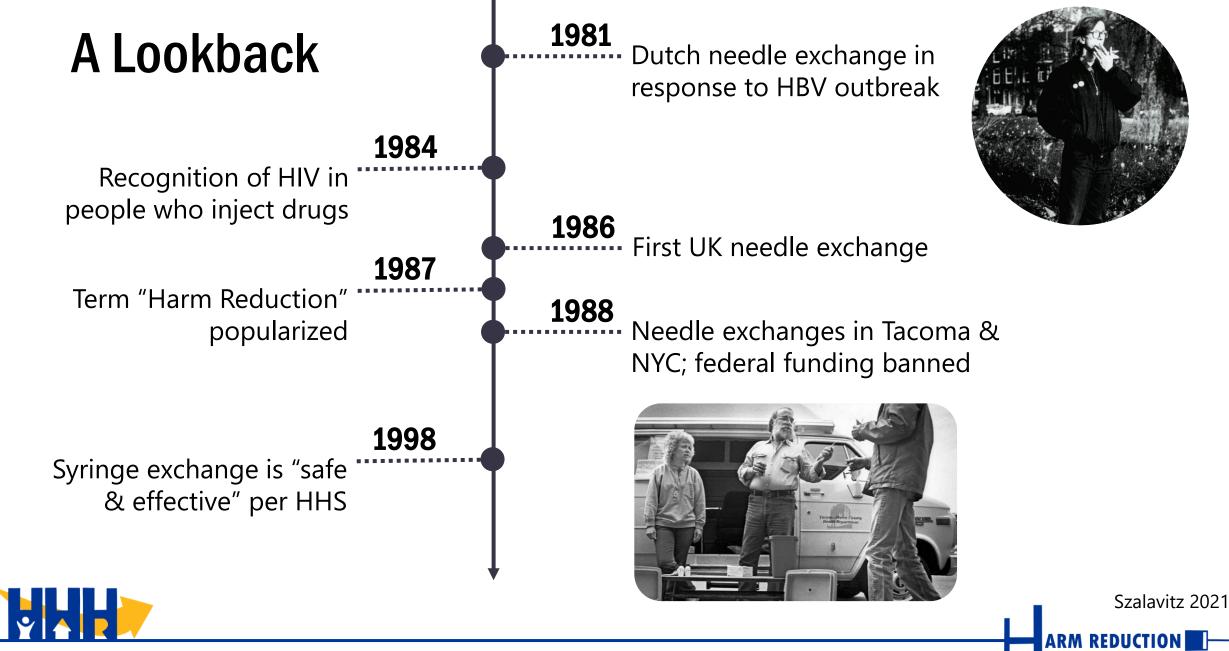
#### Undoing Drugs

The Untold Story of Harm Reduction and the Future of Addiction

Maia Szalavitz Author of New York Times Bestseller Unbroken Brain



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Syringe exchange is "safe" & effective" per HHS



#### <u> The New York Times</u>

Uproar Over 'Crack Pipes' Puts Biden Drug Strategy at Risk

**2021** American Rescue Act allocates \$30 million for harm reduction



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#### **Resistance in the US**

#### Moral condemnation of substance use

Stigmatization of racial/ethnic minority groups

#### **U.S. Drug Policy**

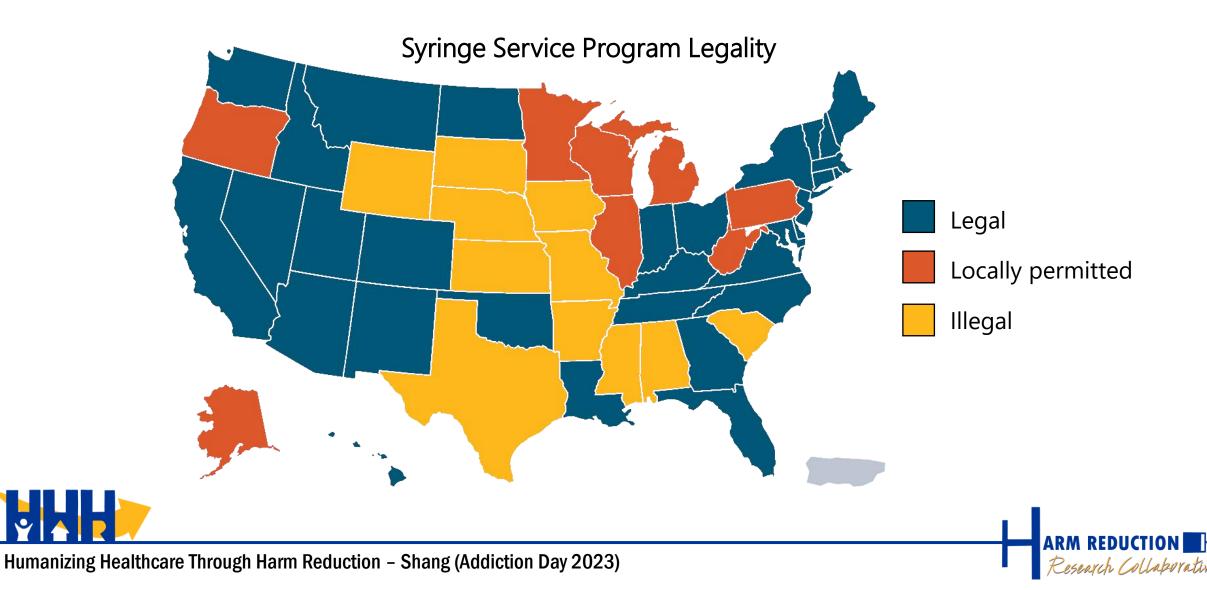
"War on Drugs" Ideology

- Generation of fear & anger around drug use
- Criminalization over treatment & disparate policing
- Abstinence-focused care



amfAR 2021

#### Where are we today?



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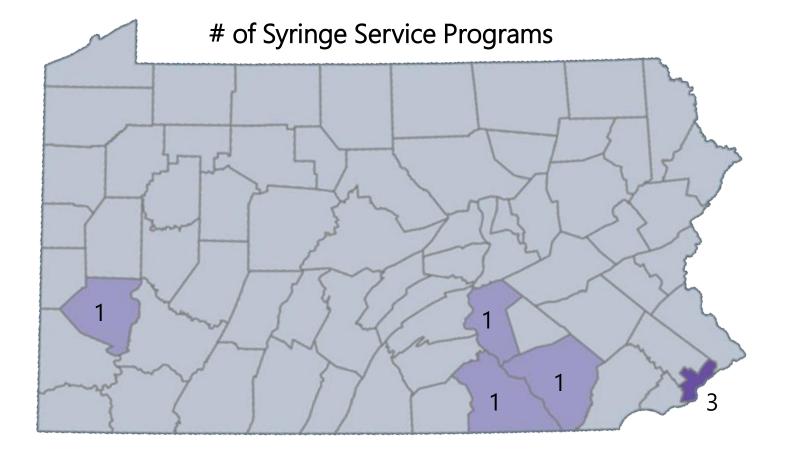
## In Pennsylvania

#### **Prevention Point Pittsburgh**

- Established 1995 by James Crow and Caroline Acker
- Went underground 1998
- County-authorized in April 2002
- Served >5000 individuals
- Now 5 operation sites

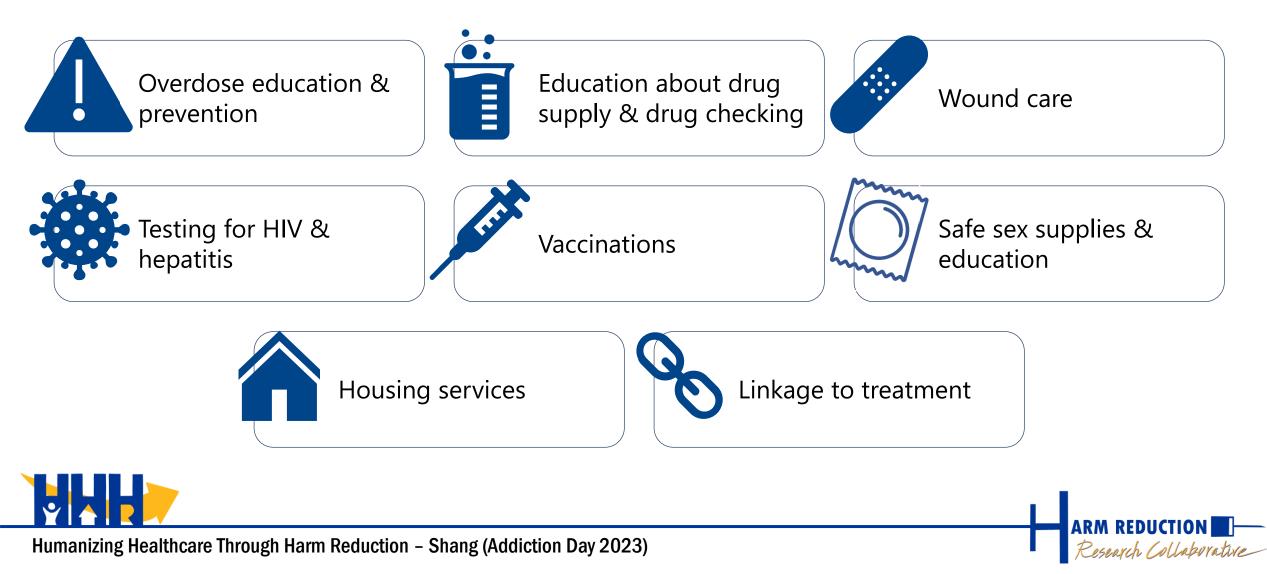
#### **Allegheny County**

- Article II passed 2007
- Recent revisions awaiting County Executive approval



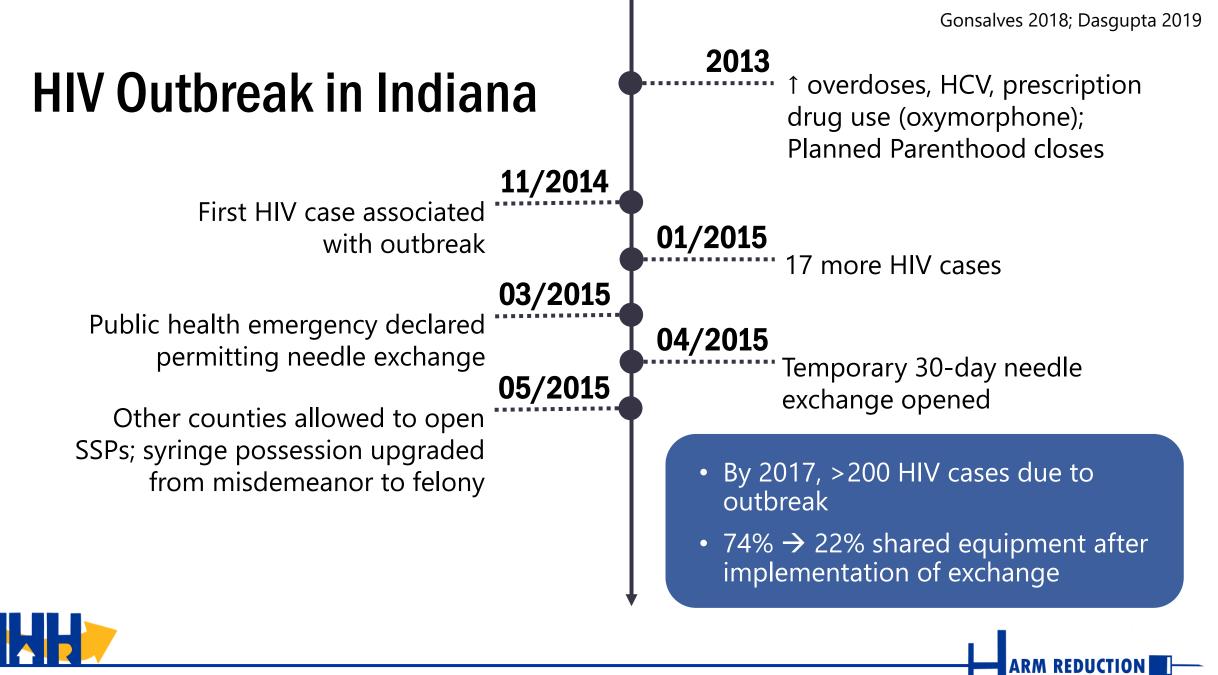


#### **Beyond Needles: The Syringe Service Program**



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#### Save Lives, Save Money

#### >\$20 billion in federal funds for HIV care & treatment

<56 HIV cases if SSP implemented Jan 2013
<10 if SSP implemented Apr 2011</p>

SSP operation: \$0.4 to 1.9 million/year Lifetime cost saved by preventing 1 HIV infection: \$229,800/person





### Harm reduction doesn't enable drug use.

Involvement in SSP...

#### Facilitates entry into

- Methadone and other SUD treatment
- Medical managed withdrawal
- On-site buprenorphine treatment

Associated with injection frequency decrease or discontinuation







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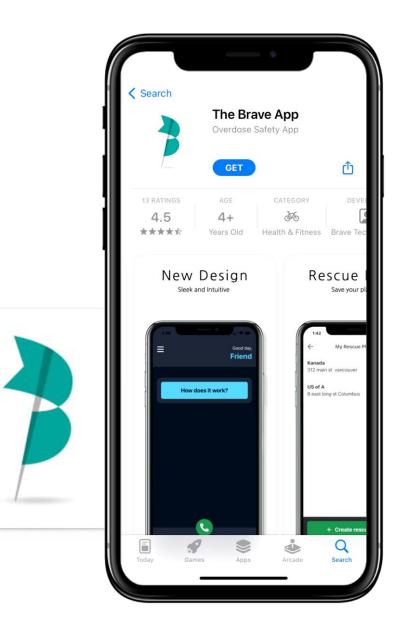
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## A dead person can't two-step, let alone twelve-step.

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## **Overdose Prevention**

- "Never use alone"
  - Have someone check in
  - Hotline (1-800-484-3731)
  - The Brave App
- Test shots "start low and go slow"
- Avoid mixing substances
- Have naloxone nearby
- Drug checking







#### Naloxone (Narcan<sup>®</sup>)

- Make sure people nearby & caregivers can use it
- Goal is to restore breathing, not alertness
- Now over-the-counter (\$45)
- Also accessible via:
  - NEXT Distro
  - Syringe service program



## Naloxone (Narcan<sup>®</sup>)

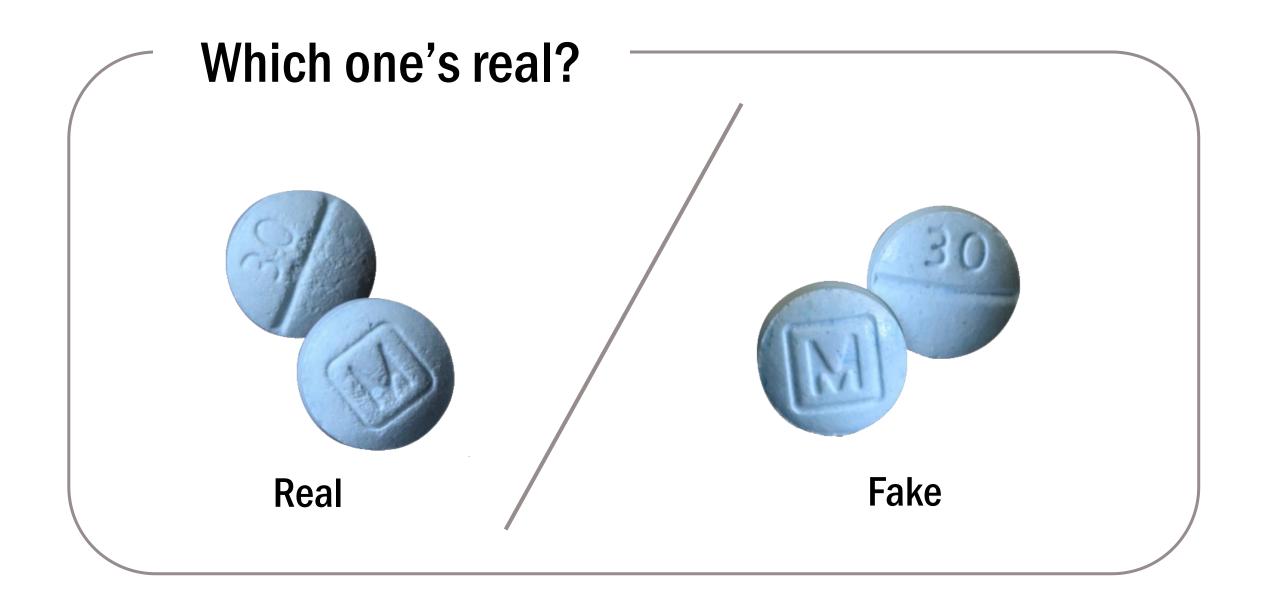










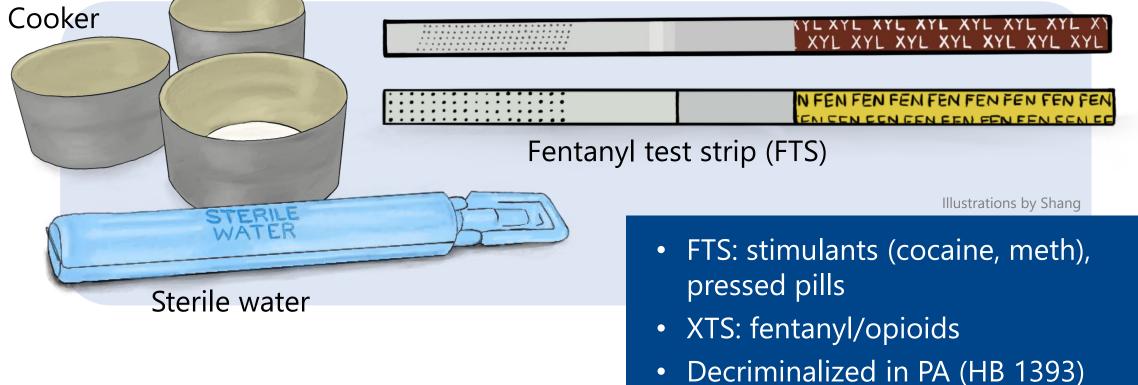


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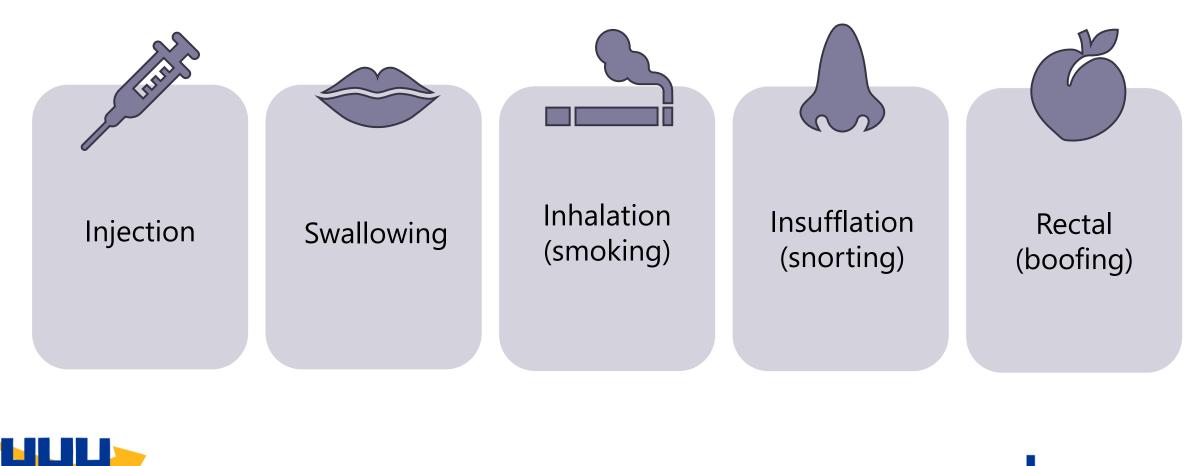
### **Drug Checking**

#### Xylazine test strip (XTS)





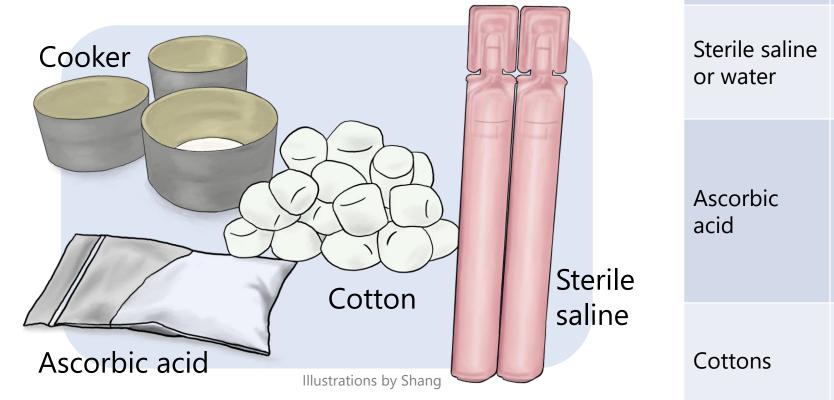
#### **Routes of Administration**



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## Safer Injection: Prep



Supply	Use
Cooker	<ul><li> Prepare drug</li><li> Single use</li></ul>
Sterile saline or water	<ul> <li>Dissolve drug</li> <li>Avoid use of boiled, bottled, tap water</li> </ul>
Ascorbic acid	<ul> <li>Helps dissolve certain drugs (crack cocaine)</li> <li>Prevents use of vinegar or lemon juice, which damages veins &amp; ↑ risk of fungal infections</li> </ul>
Cottons	<ul> <li>Filters undissolved solid particles</li> <li>Single use; avoid q-tips</li> </ul>

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## Safer Injection: Injecting

#### **Common Syringe Sizes**

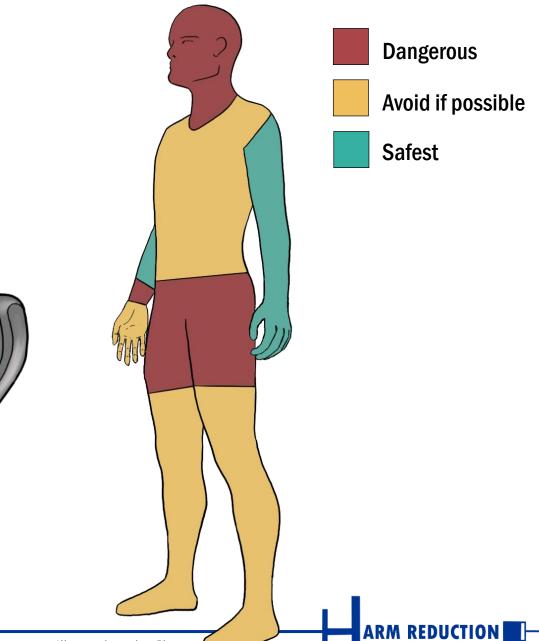
	Names*	Gauge	Needle Length	Syringe Size		
	Blues	25	5/8″			
	Pogos	27	5/8″			
	Halves	28	1/2″	0.5 – 1 cc	сс	
	Ultrafines	29	1/2″			
	Beestings	31	5/16″			
*Names used at PPP						
Ŷ				Illustration	ns by Shang	
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- Avoid reusing or sharing
  Usually the smaller the needle, the better
- Obtain needles:
  - SSP
  - Purchase online
  - Buy at pharmacy
  - Provider prescription

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## Safer Injection: Injecting

- Rotate sites
- Avoid using certain areas
- Use veins only
- Use a tourniquet
- Vein finders -



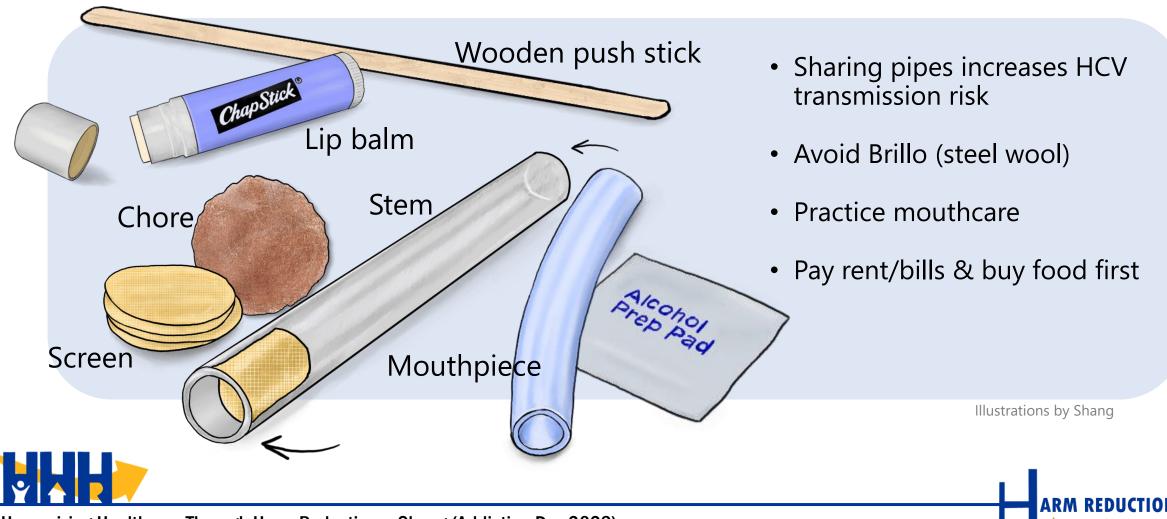
## **Safer Injection: Disposal**

- Sharps disposal or strong plastic container
- Community drop off center or syringe service program

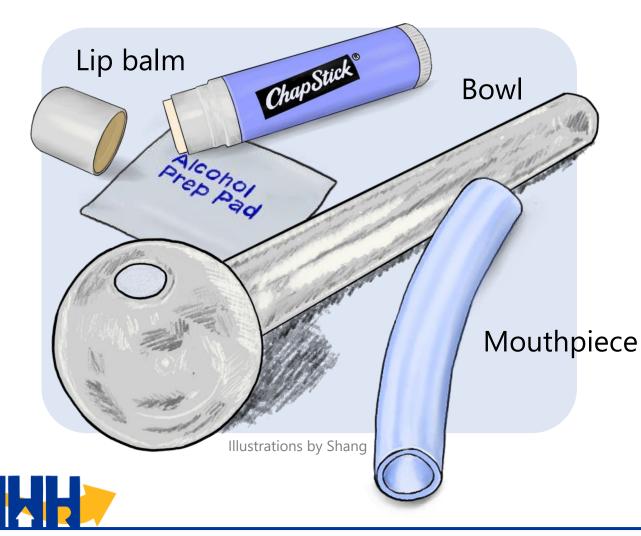




### Safer Smoking: Crack Cocaine



# Safer Smoking: Meth



#### A Case for Safer Smoking Supplies: "Route-transitioning"

Survey of SSP clients before and after heroin pipe distribution

- 43% (86/201) → 32% (80/251), p=0.02 exclusively injected heroin
- 34% (37/110) of those using distributed heroin pipe reduced injection frequency

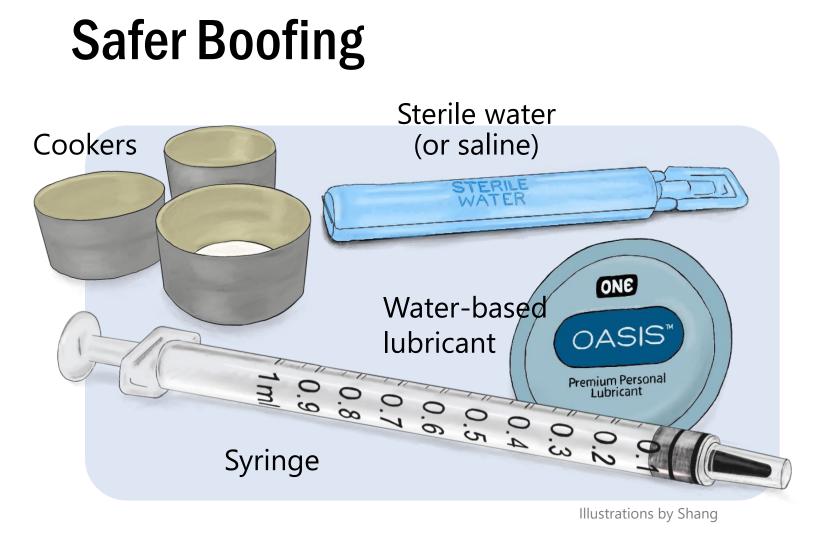
#### Survey of PWID

- Access to free safer smoking supplies reduced injection frequency by 12-44%
- 28-49% interested in access to supplies with majority reporting that access would reduce injection frequency

# **Safer Snorting**

Supply	Use	
Straws	<ul> <li>Mark/use own to avoid HCV transmission</li> <li>Avoid using dollar bill</li> </ul>	
Scoop	Use instead of key	
Plastic razor	Crush drugs into finer powder which decreases damage to nasal mucosa	
Flat surface	<ul><li>Crush &amp; use drugs from</li><li>Use instead of credit card</li></ul>	Prep
	Alternate nostrils Aftercare with saline spray or r	inse nose

**S**traws Scoop Plastic razor ohol Pad Flat surface Illustrations by Shang ARM REDUCI Research Collaporative



# AKA "booty bumping"

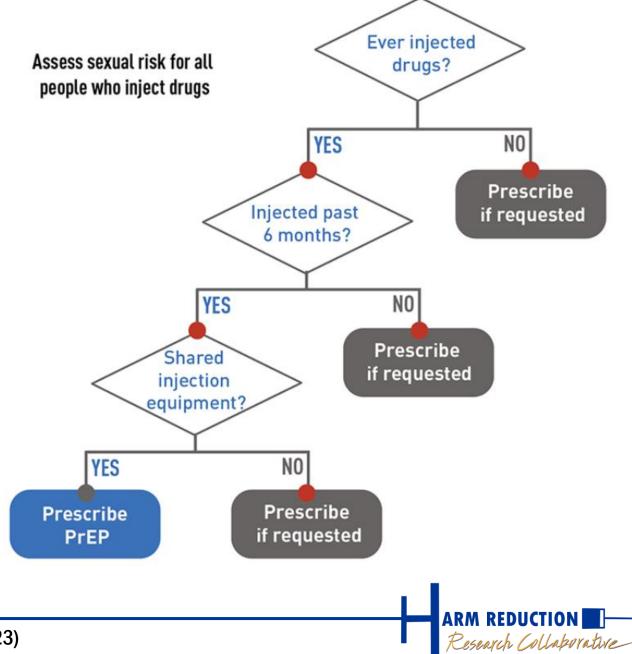
- Faster/stronger high than smoking or swallowing
- Gives other body parts a break
- Consider boofing if can't get a vein

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# **Other Considerations**

- HIV and hepatitis testing
- Hepatitis C and HIV treatment
- Immunizations (hepatitis, tetanus, etc)
- PEP or PrEP
  - PrEP indications: HIV-positive injecting partner OR sharing injection equipment





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# Shifting the Paradigm



# **Goals & Objectives**

Change clinic culture to embrace patient-centered approach grounded in harm reduction principles

#### **Staff & Providers**

- Increase comfort with safer use best practices
- Systematically offer harm reduction services
- Reduce healthcare-related stigma

#### **Patients**

- Increase engagement in care
- Increase access to harm reduction services
- Improve long-term clinical outcomes





# Harm Reduction Kits at IM-REP

- Pilot started February 2023
- Distributed the following safer use kits:
  - Fentanyl test strips
  - Safer boofing kits
  - Safer injection kits (no syringes)
  - Safer smoking kits (no pipes)
  - Safer snorting kits
  - Wound care kits
- Kits paired with patient-facing educational material



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# What can you do?

- Get free FTS/XTS and naloxone
  - Allegheny County Health Department
  - PA Overdose Prevention Program (POPP) through PCCD/DDAP
- Prescribe naloxone
  - Make sure people know how to use it
- Carry naloxone
- Prescribe needles and PrEP/PEP
- Test for HIV/hepatitis, immunize, and refer to treatment
- Refer to Prevention Point Pittsburgh
- Advocate for drug policy change



- Talk to your patients about it
- Avoid making assumptions
- Shift from competence to humility

# Harm Reduction at Multiple Levels

### LOCAL LEVEL

- IM-REP & other COEs championing efforts
- Article II revisions (pending County Executive approval)
  - Regulation providing oversight to SSPs in Allegheny County
  - Expands SSP accessibility/capacity



- Fentanyl test strips decriminalized (HB 1393)
- Senate Bill 926 and House Bill 2264
  - Would legalize SSPs across PA
  - Both referred to respective judiciary committees

#### FEDERAL LEVEL

- Biden-Harris' National Drug Control Strategy 2022
  - Drug policy priorities include enhancing evidence-based harm reduction efforts
  - Naloxone, drug testing strips, & SSPs



#### Interested in becoming a harm reduction champion?

Contact us: NATIONAL shangm2@upmc.edu jawar@upmc.edu **HARM REDUCTION** COALITION **NEXT Distro** STAY ALIVE, STAY SAFE. PENNSYLVANIA HARM REDUCTION NETWORK

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